



### Model (1)

#### Science

1. The coil in the electromagnet is made up of isolated wire from .....  
a) Copper      b) Iron      c) Aluminium      d) Carbon
2. Glass prism splits sunlight into ..... colours.  
a) 4      b) 5      c) 6      d) 7
3. We can separate coffee from water by .....  
a) evaporation      b) filtration      c) attraction      d) separating funnel
4. One examples of saprophytes is .....  
a) fungi      b) rabbit      c) plant      d) lion


#### Maths

- 1)  $25 \div 0.5 = \dots\dots\dots$   
a) 50      b) 5      c) 0.5      d) 0.05
- 2)  $\frac{1}{4} > \dots\dots\dots$   
a)  $\frac{1}{2}$       b)  $\frac{1}{3}$       c)  $\frac{1}{6}$       d) 1
- 3) If  $4 \in \{2, x, 3\}$ , then :  $x = \dots\dots\dots$   
a) 2      b) 3      c) 4      d) 5
- 4) The chord which passes through the center of a circle is called .....  
a) height      b) diameter      c) radius      d) side
- 5) The number of altitudes of an obtuse angled-triangle = .....  
a) 1      b) 2      c) 3      d) zero
- 6)  $xy - xy = \dots\dots\dots$   
a) zero      b) x      c) xy      d) y
- 7) A box contains 20 balls, 5 of them are blue and the rest are red. If a ball is drawn randomly, then the probability of the drawn ball to be red = .....  
a) 0.25      b) 0.75      c) 0.5      d) 0.4


### Model (2)

#### Science

1. Mixing red light with blue light produces ..... light.

- a) yellow      b) magenta      c) cyan      d) green

2. The compass contains ..... magnet that moves freely.

- a) heavy and big      b) small and light  
c) medium and heavy      d) big and light

3. Solvent in mixture of chocolate mixture and milk is .....

- a) chocolate      b) milk      c) water      d) sugar

4. From the extinct organisms due to natural changes in the environment is/are .....

- a) lion      b) insects      c) rat      d) dinosaurs

#### Maths

1) If  $\{x, 5\} = \{6, 5\}$ , then  $x =$  .....

- a) 5      b) 6      c) 7      d) 8

2)  $678 \div 100 = 67.8 \div$  .....

- a) 10      b) 100      c) 1000      d) 10000

3)  $56.63 \approx$  ..... to the nearest tenth.

- a) 56.6      b) 56.7      c) 56.4      d) 56.3

4)  $4.567 \times$  ..... = 456.7

- a) 1      b) 10      c) 100      d) 1000

5)  $\{6, 1\} \cup \{8, 6\} =$  .....

- a)  $\{8, 6\}$       b)  $\{8, 6, 1\}$       c)  $\{8, 1\}$       d)  $\{6\}$

6) The probability of an impossible event = .....

- a)  $\frac{1}{2}$       b)  $\frac{1}{3}$       c) zero      d) 1

7) In a circle, the chord that passes through its center is called .....

- a) diameter      b) radius      c) parallel      d) height

**Model (3)**

1. From the magnetic materials is .....

- a) Copper      b) Iron      c) Cobalt      d) Nickel

2. The glass prism splits sunlight into ..... colours.

- a) 4      b) 5      c) 6      d) 7

3. We can separate ground coffee from water by .....

- a) evaporation      b) filtration      c) attraction      d) separating funnel

4. From the examples of saprophytes is .....

- a) fungi      b) rabbit      c) plant      d) lion

**Maths**

1)  $\{0\}$  .....  $\emptyset$

- a)  $\in$       b)  $\notin$       c)  $\subset$       d)  $\not\subset$

2)  $123.45 \div 1000 =$  .....

- a) 124.45      b) 1.2345      c) 0.12345      d) 123.45

3)  $45 \times 1.23 = 4.5 \times$  .....

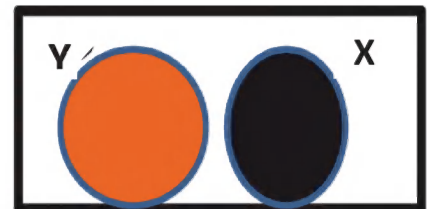
- a) 12.3      b) 1.23      c) 123      d) 0.123

4) The shaded part of the opposite figure represents .....

- a)  $y - x$       b)  $x \cup y$       c)  $x - y$       d)  $x \cap y$

5) The probability of sure event = .....

- a)  $\frac{1}{2}$       b)  $\frac{1}{3}$       c) zero      d) 1



6. The line segment join between the center of the circle and any point on the circle is called .....

- a) diameter      b) radius      c) height      d) chord

7. The number of altitudes of the right-angled triangle = .....

- a) 1      b) 2      c) 3      d) zero